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Record

WASHINGTON
UNIVERSITY
IN ST. LOUIS

Vol. 20 No. 23 March 14, 1996

Czech-mate: Royse literally pins down wanted criminal

Verdi's dark opera "Rigoletto" set an ominous tone for Donald C. Royse, Ph.D., professor of architecture, on the evening of Wednesday, March 6. Just hours after attending the opera in the Czech Republic capital of Prague, Royse found himself wrestling with his own antagonist, a convicted double-murderer who had broken into the apartment Royse and a friend rented while vacationing in Prague to tour the city's eclectic architecture.

"I thought someone was drunk or on drugs," said Royse, who was roused from sleep by a commotion outside the apartment door. He walked into the hallway to find his friend Frank Pond, a city employee of Oak Park, Ill., and the apartment owner's teen-age son at the mercy of a gun-wielding criminal.

The perpetrator, a prison escapee named Ladislav Winkelbauer, "was turning lights off and on in the apartment and acting deranged," said Royse, who at one point was ordered into a bathtub with Pond and the teen.

"He asked me to stand in front of a metal square on the wall," said Royse. "He was afraid it would gas him. When the criminal shot a mirror that shattered into a million pieces — it sounded like a cannon going off in that small hallway — we remained quiet to keep from agitating him."

As Winkelbauer loosened his grip on the gun, Pond pushed the criminal's hand up into the air, and Royse grabbed the gun. A struggle ensued. Royse gained control of the gun and faced his attacker.

"I didn't have my finger on the trigger. I did not want to shoot him," Royse recalled. "I announced to Frank that I was going to hit the guy over the head."

Royse subdued the criminal and put down the gun. "I had my knee on his stomach and his hands restrained," Royse said.

Unlike the opera, Royse's episode ended happily. The police arrived at the scene, summoned by the teen who had escaped and called for help 10 minutes earlier.

Royse and Pond resumed sightseeing the next day. "Prague is beautiful, one of the most intact European cities with its layers of different styles," said Royse. "Medieval, Romanesque, baroque, rococo and modern architecture stand side-by-side. I'd go back in a minute."

Royse returned home Saturday, March 9. The most interesting media treatment of his ordeal was an article in a Prague newspaper.

The story announced the city's latest visitors' activity — catch-a-criminal touring trip. "It went something like this: We'll take you to the palace, the theater, the opera, and then allow you one-and-a-half hours to catch a criminal," Royse said. "This may have been a dig at the police. The Czechs have humor."

— Cynthia Georges



Kevin Ray and Shirley K. Baker examine items from the archives of the late Stanley Elkin. Also on the table is a signed first-edition copy of Elkin's "Mrs. Ted Bliss," which represents the 3 millionth acquisition of Washington University Libraries.

3 million volumes

Washington University Libraries will celebrate a benchmark acquisition while paying tribute to Stanley Elkin

Washington University Libraries will celebrate the acquisition of its 3 millionth volume with a sweeping gesture symbolic of a research institution's daunting task: preserving the past while embracing the future.

The volume selected to serve as the benchmark 3 millionth acquisition is a signed first-edition copy of the late Stanley Elkin's final novel, "Mrs. Ted Bliss." The book will be presented to Shirley K. Baker, vice chancellor for information technology and dean of University Libraries, by Elkin's widow, Joan, at 7 p.m. March 26 in Edison Theatre.

The presentation of the novel is part of a commemorative event that marks the University Libraries' milestone acquisition and honors Elkin's internationally acclaimed work.

Elkin taught in the Department of English in Arts and Sciences for 35 years. He held the title Merle Kling Professor of Modern Letters from 1983 until his death from heart failure in May 1995. His literary legacy lives in 10 novels, two volumes of novellas, one book of short stories, one collection of essays and three published scripts.

"Mrs. Ted Bliss," published posthumously by Hyperion in August 1995, has been nominated for a 1995 National Book Critics Circle Award in the fiction category. (Carl Phillips, assistant professor and writer-in-residence in the English department and in the African and Afro-American Studies Program in Arts and Sciences, was nominated in the poetry category. Winners will be announced Thursday, March 21.)

After "Mrs. Ted Bliss" is presented to Baker, the radio drama "The Coffee Room," written by Elkin on commission

by National Public Radio, will be played for the Edison audience. The radio play offers engaging character studies of English professors, many drawn from University faculty, through their conversations in the department's lounge.

In conjunction with the acquisition celebration, Olin Library's Special Collections is featuring a display of materials from the Elkin archives. Selections from the recent acquisition of materials collected from the last 10 years of Elkin's life and from earlier works are on exhibit in Special Collections on Olin Library's Level Five. Called "The Stanley Elkin Show," the exhibit runs through June 15.

"We are able to present Stanley Elkin's publishing career whole," said Kevin Ray, curator of the exhibit and of the Modern Literature Collection and acting director of Special Collections. "With every exhibit we've done of his work up to this point, we understood that there would be more material to come. The exhibits marked a career of work-in-progress. That work has come to an end."

Named University Libraries' 3-millionth-and-first acquisition, the collection of Elkin's work from the last 10 years of his life is distinctive in that it includes — among the correspondence, annotated pamphlets, scribbled notes and typewritten manuscripts — a newcomer to the Modern Literature Collection: the computer diskette.

The victim of a 23-year struggle with multiple sclerosis, Elkin enlisted the service of the computer well before many other writers took the step. His body of papers, with some 40 diskettes included, ushers in a new phase of the modern repository.

'The Coffee Room' part of library event

Writer John Gardner signed on. So did Donald Barthelme. National Public Radio's (NPR) invitation to fiction writers to "reinvent" the radio play intrigued the late Stanley Elkin, as well. Composing an original script proved a rousing commission for the novelist.

So Elkin commenced, as he tells it, to compose his story poolside "in a bathing suit in the serious sunshine ... smiling a lot and feeling outdoors like the sort of writer I never feel like *inside* ..."

The result of such reverie? Coffee and conversations, the subject of "The Coffee Room," Elkin's radio drama written in 1978 and aired nationally in the early 1980s as part of NPR's "Ear Play" series.

The drama unfolds in the lounge of a university's English department. Elkin was struck by the routine repartee among his own Washington University colleagues — "a sort of *deja vu* lingo, repetitive and crazed ... that we are compelled to speak," he wrote in an introduction to the play. Subsequently, he included thinly veiled portraits of these University professors in "The Coffee Room."

In 1983, Elkin asked Lorin Cuoco, then operations manager and arts editor at KWMU, St. Louis' NPR affiliate, to produce another version of the play. (Cuoco is now associate director of the International Writers Center in Arts and Sciences.) Elkin wanted to read the part of Leon Mingus, a witty, satiric, cantankerous professor patterned after himself.

Broadcast in 1985, this locally produced version again will be presented at 7 p.m. March 26 in Edison Theatre, where Elkin's resonant and inimitable voice will hold court. The event is part of a celebration of the acquisition of Washington University Libraries' 3 millionth volume and of the critically acclaimed author.

For more information, call 935-5400.

— Cynthia Georges

In this issue ...

Scientific clues 2

Researchers discover that damage to a new gene causes an overgrowth disease and possibly cancer

Pursuing a dream 3

David B. Gray, Ph.D., wants to see the School of Medicine become renowned for disability studies

Moving up 6

Several graduate-level programs receive mention in the latest U.S. News & World Report rankings

Continued on back page

Medical Update

Gene researchers discover new type of growth regulator

The isolation of a gene that controls tissue growth has yielded a clue to how organs such as the heart and kidney reach normal size. The gene codes for a protein that inactivates a growth-promoting substance, creating a yin and yang of growth regulation. Damage to the gene causes an overgrowth disease, School of Medicine researchers reported in this month's issue of the journal *Nature Genetics*. The faulty gene also may lead to certain types of cancer.

"The isolation of this gene provides an entree for studies of the master growth-control mechanism by which tissues reach their normal size," said David Schlessinger, Ph.D., whose group recovered the gene. Schlessinger is professor of molecular microbiology, of genetics and of medicine.

The gene is located on sex chromosome X, which Washington University's Center for Genetics in Medicine is mapping as part of a concerted international effort. Schlessinger directs the center.

The gene, called glypican 3 or GPC3, was recovered by Italian physician and scientist Giuseppe Pilia, M.D., now at the University of Cagliari. Pilia performed the work from 1993-95 during a postdoctoral fellowship in Schlessinger's lab.

Pilia became interested in two cell lines

that had been maintained since 1974 at the National Institute of General Medical Sciences at the National Institutes of Health. Reading about the symptoms of



David Schlessinger

Men and women with SGBS are very tall and may have distinct facial characteristics, enlarged hearts and kidneys, skeletal abnormalities and more than two nipples. As children, they often develop kidney or nerve tumors made of embryonic tissues. These symptoms suggest a fault in a gene that keeps tissue growth in check.

The cell lines from the two patients had faulty X chromosomes. In one, a piece of X had traded places with a piece of chromosome 1. In the other, X had traded a piece with chromosome 16. Such misplaced pieces are called translocations, and their rejoined ends are called

breakpoints. Pilia realized that, to produce the same syndrome, the two translocations must disrupt the same gene. So he set out to locate that gene by locating the breakpoints in the two samples.

Pilia localized the gene to a site about one-fifth the way along X, based on a map of the region he developed in conjunction with the Center for Genetics in Medicine. Using DNA from this site as a probe, he identified the normal gene among copies of genes from human embryonic tissue. He also showed that the gene indeed was interrupted in the patients with the chromosome translocations.

Comparing the base sequence of this gene's DNA with known sequences, he discovered it was similar to a rat gene that codes for a glypican. These bulky sugar-proteins are found on cell membranes, but their function is unknown and none had been associated with a medical condition. "So this will open up enormous interest in this class of proteins," Schlessinger said.

Meanwhile, Alex MacKenzie, Rhiannon Hughes-Benzie and colleagues at the Children's Hospital of Eastern Ontario in Ottawa had been mapping the SGBS gene in families with the disorder. They provided critical DNA samples to Pilia, who used the probes he had developed. He found that

GPC3 was incomplete in samples from affected males in several families, but the gene was undamaged in every sample from unaffected males. By testing other members of SGBS families, the Ottawa group demonstrated that the damaged gene winds its way through family trees in the same pattern as the disease.

"Because males have only one X chromosome, these findings unequivocally show that damage to GPC3 results in Simpson-Golabi-Behmel overgrowth syndrome," Schlessinger said. "The mutations are not simply a change in DNA that is irrelevant to the disease."

Pilia also used the probe to determine when and where the normal gene is active in mice. "It begins to be highly expressed in the embryo exactly at the time of tissue and organ formation," Schlessinger said. "It is expressed only at very low levels in the adult, except in the placenta. So, clearly, it is involved in growth control in the embryo. Moreover, the gene is expressed precisely in those tissues that overgrow in SGBS."

The researchers obtained clues to the gene's function by exploring a suggestion that Beckwith-Wiedeman Syndrome (BWS), which has symptoms in common with SGBS, might result from overactivity of insulin-like growth factor (IGF). Discovered at Washington University, IGF stimulates cells to grow in a pathway initiated by human growth factor.

Using an antibody to detect the product of GPC3, Pilia showed that this protein is able to interact with IGF2, the form of IGF in embryonic tissues. "So the fundamental mechanism we are proposing is that the protein GPC3 ordinarily limits the activity of IGF2 by binding to it or promoting its breakdown," Schlessinger said. "When an individual can't make GPC3 because of a faulty gene, there is too much IGF2 activity in certain tissues, which overgrow, giving rise to these syndromes."

The isolation of GPC3 will have immediate clinical applications because it now will be possible to distinguish SGBS from BWS, which results from a faulty gene somewhere on chromosome 11.

The discovery of GPC3 also suggests new avenues for cancer research. "Since these patients are at risk for embryonal tumors, growth without regulation by GPC3 may be a step en route to cancer as well as to overgrowth of organs," Schlessinger said.

— Linda Sage



Stephen M. Shortell, Ph.D., the A.C. Buehler Distinguished Professor at Northwestern University, talks with Health Administration Program students, from left to right, Maureen Gunn, Gina Holmes, Liz Stockmyer and Jeannie Tobin. As part of its 50th anniversary celebration, the Health Administration Program recently hosted Shortell in an executive lecture series, where he addressed "Remaking Health Care in America: Building Organized Delivery Systems." The Health Administration Program is observing its anniversary with several special events during the year.

Low-dose hormone therapy for post-menopausal women to be evaluated

Post-menopausal women often are encouraged by their doctors to begin hormone-replacement therapy, which helps prevent osteoporosis and protect against heart disease. But some women discontinue the therapy because they can't tolerate its side effects — namely headaches, dizziness and fatigue.

A new School of Medicine study will determine if post-menopausal women who take lower doses of hormone therapy still can receive its benefits.

The one-year study, funded by pharmaceutical company Wyeth-Ayerst, will enroll 48 women in the St. Louis area and about 2,700 patients nationwide. The St. Louis portion of the study will be led by Daniel B. Williams, M.D., assistant professor of obstetrics and gynecology.

In the study, women will be divided into eight groups. Some women will take the currently recommended doses of estrogen or a combination pill containing estrogen and progesterone. Other

women will take lower doses of the hormones, and some will take placebos. All study participants will be monitored carefully.

Neither the researchers nor the study participants will know which therapy the women are receiving until the end of the study. Medical care related to the study will be provided free of charge. In addition,

participants who complete the study will receive \$200 each.

To qualify, a woman must be 40 to 65 years old and be within 20 percent of her desirable weight. She must have had her last menstrual period at least one year ago and also must not have had a hysterectomy.

For more information, call Carol Cholewa at 362-4777.

Volunteers sought for asthma-treatment study

School of Medicine researchers are conducting a study at Barnes-Jewish West County Hospital to test an investigational medication for the treatment of moderately severe asthma.

The researchers are looking for men and women between the ages of 15 and 65 who have had asthma for at least one year and require daily use of a bronchodilator inhaler or theophylline, an asthma medication. They must not be using any

long-acting inhaled bronchodilators for their asthma.

Those who qualify will receive either the experimental medication or an inactive pill every day for four weeks.

Participants will receive medical care related to the study and the study medication at no charge. Those who complete the study also will receive \$200 each.

For more information, call Will Lackey at 851-8589.

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Washington
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Washington People

Gray wants to catalyze disability studies

David B. Gray, Ph.D., has a dream for the School of Medicine. In his mind's eye, Gray envisions the medical school becoming an internationally renowned institute for disability studies.

"Washington University's School of Medicine is one of the top five institutions in the nation in terms of representation and funding by the National Institutes of Health (NIH)," said Gray, professor in the Program in Occupational Therapy. "If all of the different departments here would get interested in disability issues, I believe this is a place where disability studies could really take off."

The possibility of turning that dream into reality is one reason Gray joined the medical faculty in October after serving in government posts since 1981 at the NIH in Bethesda, Md. His last job there was as deputy director of the National Center for Medical Rehabilitation Research of the National Institute of Child Health and Human Development. He received a political appointment as director of the National Institute on Disability and Rehabilitation Research (NIDRR) at the U.S. Department of Education from 1986-87.

"The occupational therapy department here was really attractive to me," Gray said. "It serves as an intersection between the medical community and the environment. And Washington University is becoming well-known around the world. We hope to host international meetings here and serve as a think tank on social policies and disabilities."

Gray recently hosted a meeting of several colleagues involved in the North American Coordinating Committee for the revision of the World Health Organization International Classification of Impairments, Disabilities and Handicaps. The international classification, known by the acronym ICIDH, was developed in the early 1980s. The task force, of which Gray is co-chair, is recommending that the classification of "handicap" be removed because of the negative connotations it generates and the general confusion about terms used to describe people with disabilities. A full contingent of the committee plans to meet again in St. Louis in September.

"We want to make these classifications more relevant to the lives of people with disabilities," Gray said. "Much of the ICIDH was based on the assumption that disabilities are located within people. But getting around in the environment doesn't relate — environmental barriers often are the primary impediment to participation."

Mapping the environment for barriers and measuring the impact of these barriers and the effectiveness of facilitators in allowing people with disabilities to participate socially is one of Gray's current research interests.

"If you want to engage in a social activity, such as attending the theater, you have to make sure it is accessible if you're in a wheelchair or that there's an auditory overlay for people with visual impairments," Gray said. "Our research will involve going out in the community to find out what works and what doesn't work. We'll also be developing maps of the environment."

Fall from a roof leaves him disabled

Gray is keenly aware of how environmental barriers can limit social participation, just as social policies and public perceptions can negatively affect people with disabilities. It is estimated that one in seven Americans, or about 49 million individuals, are affected by disabilities. Gray, a quadriplegic, is a member of that population.

On July 14, 1976, the then-32-year-old Gray fell from the roof of his still-under-construction home near Rochester, Minn., while attempting to cover a hole in the roof with plastic. The accident left 23 bone fragments in his neck. Gray spent a year in Rochester's St. Mary's Hospital, and he still recalls his room number there — 2-232.

A year to the day after the accident, Gray returned to work as director of the Rochester Social Adaptation Center, a state-sponsored program designed to serve individuals who are developmentally disabled. His academic background — a bachelor's degree in psychology (1966) from Lawrence University in Appleton, Wis.; a master's degree in psychology (1970) from Western Michigan University in Kalamazoo; and a doctorate in psychology and genetics (1974) from the University of Minnesota in Minneapolis — had prepared him for a career as a researcher and an occasional health-care provider. (He previously was licensed as a consulting psychologist.)

"When I made the shift (after the accident) from being a health-care provider to being a recipient, it was quite a transition," Gray said. "It was ironic because I had decided in my research that I wanted to look at changes in behavior as they are affected by changes in the environment. I wanted to study how long it takes people to make changes in their behavior after they've experienced changes in their environment."



David B. Gray, Ph.D., discusses accessibility with graduate student Questa Wylie.

"The University always wants the best so it can do the best work. I think we got the best in David."

— M. Carolyn Baum

Returning to work produced one of Gray's first encounters with how social perceptions negatively can affect people with disabilities. "I had a very supportive boss," he said, "but I had to give up trying to be a boss there because people were so conditioned to thinking that individuals with disabilities are incompetent."

"I've never been an easy person to work with or to be around. My father demanded perfection, and that's the way I am," added Gray, whose late father, Fred B. Gray, was an obstetrician in Grand Rapids, Mich. His mother, Marion Gray, was a medical social worker. "But it's rough to take when people are rude, mean and not understanding. It's not as hard for me to understand when a building isn't accessible."

Gray in 1980 became director of research at the Rochester State Hospital, where he focused on securing federal grant monies. The early days of Gray's recovery were difficult for his family — he and his wife, Margaret, are the parents of three now-grown children — because of the lack of a support system. With this in mind, one of Gray's first grant applications was for the establishment of one of the first 10 independent living centers in the United States.

"This was a real eye-opener for me," Gray said. "If

you engage yourself in this society, it will respond. That original grant for \$75,000 for three years has grown to a several-million-dollar-a-year organization."

Gray's success as an advocate for people with disabilities continued when he joined the NIH in 1981. Of the 17,000 people employed by the NIH, Gray was the only quadriplegic at that time. He also was one of the first individuals with a disability to receive a political appointment when he joined the NIDRR in 1986.

"David was certainly one of the early ones to have a leadership position with a disability," said NIDRR Director Katherine D. Seelman, Ph.D., who also has a disability. "David is a leader. He's recognized for raising the consciousness at the National Institutes (of Health) about accessibility. There was a real need to incorporate accessible labs so that individuals with disabilities who are scientists can continue their careers." Seelman added that Gray also is a brilliant scientist.

Gray soon began to gather other researchers with disabilities to work on his projects at the NIH and at the NIDRR. He said that, traditionally, people with disabilities have been isolated in institutions or within their families.

"But I learned about a lot of talented people with disabilities. I linked into the disability community in the United States and throughout the world. All of these people have gone on and done good things. It's amazing how our society has not taken advantage of these people," he said.

Helped rewrite federal policies

Gray cites several improvements in social policy that he and his colleagues with disabilities were able to bring about. They helped rewrite Section 508 of the Rehabilitation Act of 1986, which requires federal government purchasing agents to buy electronic equipment that is accessible to people with disabilities. They also helped modify Section 1619 of the Supplemental Security Income (SSI) Disability Amendments of 1986, allowing thousands of individuals with disabilities to return to work. Because of this change, as the incomes of individuals with disabilities increase, SSI benefits are reduced rather than abruptly eliminated. This modification also enabled persons with disabilities to retain Medicaid benefits.

"These policies need to be examined for disincentives to return to work," Gray said. "Some insurance programs, for example, will pay for skilled nursing home care that can cost up to \$140,000 a year, but they won't pay for two attendants earning \$7 an

hour to help you get to work."

It makes sense for society to help people with disabilities get back into the work force, Gray said. "You generate taxes from people who work," he said. "I take great pride in it. When you break your neck, it costs a lot of money to society. I want to pay some of it back."

Gray believes there is work to be done in removing environmental barriers. "In new construction, there's awareness that we need cement access routes. That's coming along due to the Americans with Disabilities Act," he said. "But there's still a lot of resistance to retrofitting. I think people with disabilities have to have patience. You can't change the environment overnight — it takes time."

Gray is concerned, however, about the lack of new treatments for improving the health of people with disabilities. He is seeking federal funding to study treatments of secondary health conditions of people with disabilities — such as bladder infections and skin breakdowns — without costly hospitalizations. He'd also like to study ways in which equipment used by people with disabilities can be made to fit right the first time. He said many devices end up stored in garages or tossed into the trash when it's discovered they don't work well in the home.

In addition to research, Gray is team-teaching courses this spring on the Hilltop Campus with Kathy Knipmann, an instructor in the Program in Occupational Therapy, on social policy, health and disabilities. He also has joined the board of Paraquad, a non-profit St. Louis agency that helps people with disabilities live independently.

M. Carolyn Baum, Ph.D., the Elias Michael Director of the Program in Occupational Therapy, describes Gray as an excellent scientist and teacher.

"He also has an intimate knowledge of issues faced by the disabled because of his disability and serves as an incredible model in an institution that deals with disabilities," she said. "The University always wants the best so it can do the best work. I think we got the best in David."

— Brenda Murphy

Calendar

March 14-23



Exhibitions

"First-year M.F.A. Student Exhibit." Opening reception: 6-9 p.m. March 15. Exhibit runs through April 5. 7511 Forsyth Blvd. Hours: noon-5 p.m. Mondays-Thursdays; noon-6:30 p.m. Fridays; noon-4 p.m. Saturdays; and 2-4 p.m. Sundays. (See story, page 6.) 935-4761.

"Lifting the Veil: Robert S. Duncanson and the Emergence of the African-American Artist." Through March. Gallery of Art, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. 935-5490.

"The Stanley Elkin Show." Selected books and manuscripts from the late Stanley Elkin. Through June 15. Special Collections, Olin Library, Level Five. Hours: 8:30 a.m.-5 p.m. weekdays. (See story, page 1.) 935-5495.



Films

All Filmboard movies cost \$3 and are shown in Room 100 Brown Hall. For 24-hour hotline information, call 935-5983.

Thursday, March 14

7:30 p.m. French Film Series. "Vivre Sa Vie" (1962), with English subtitles. Room 162 McDonnell Hall. 726-1565.

Friday, March 15

7 and 9:30 p.m. Filmboard. "Go Fish" (1994). (Also March 16, same times, and March 17 at 7 p.m.)

Midnight. Filmboard. "Dirty Harry" (1971), starring Clint Eastwood. (Also March 16, same time, and March 17 at 9:30 p.m.)

Monday, March 18

7 and 9 p.m. Filmboard. "Chronicle of Anna Magdalena Bach" (1968, B&W), in German with English subtitles. (Also March 19, same times.)

Tuesday, March 19

7 p.m. Chinese Film Series. "Judou" (1990), with English subtitles. Room 219 South Ridgley Hall. 935-5110.

Thursday, March 21

7:30 p.m. French Film Series. "Rififi" (1955), with English subtitles. Room 162 McDonnell Hall. 726-1565.

Friday, March 22

7 and 9:30 p.m. Filmboard. "The Usual Suspects" (1995). (Also March 23, same times.)

Midnight. Filmboard. "Red Sonja" (1985). (Also March 23, same time.)

4 p.m. Contemporary American Documentary Film Series. "Black Is...Black Ain't" (1994). Room 149 McMillan Hall. 935-5216.



Lectures

Thursday, March 14

11:15 a.m. Social work lecture. "Use of Standardized Outcome Measures in Mental Health Services Research," Enola K. Proctor, the Frank J. Bruno Professor of Social Work Research and director, Center for Mental Health Services Research. Room 353 West Campus Conference Center. 935-5741.

Noon. Genetics seminar. "Regulation of Yeast Glycolysis by Metabolic Signals," Friedrich K. Zimmerman, Institute for Microbiology and Genetics, Germany. Cori Aud., 4565 McKinley Ave. 362-7072.

1 p.m. Chemistry seminar. "Template-directed Nucleotide Condensations," Leslie Orgel, senior fellow and research prof., The Salk Institute for Biological Studies, San Diego. Room 311 McMillan Lab. 935-6530.

1 p.m. Vision science seminar. "Using Organ Culture to Study Photoreceptor Rescue in Inherited Retinal Disease," Judy Ogilvie, asst. research scientist, Central Institute for the Deaf, East Pavilion Aud., Barnes Hospital. 362-3726.

4 p.m. Biology and biomedical sciences seminar. "Rats, Ridges and Wrecks: Patterns and Processes of Amazonian Mammal Diversity," James Patton, prof. and curator, Dept. of Zoology and Museum of Vertebrate Zoology, U. of California, Berkeley. Room 322 Rebstock Hall. 362-3364.

4 p.m. Chemistry seminar. "The Effects of Sequence Context and a UV Photoproduct on the Structure of DNA Studied by NMR," Michael Kennedy, senior research scientist, Battelle Research Lab, Richland, Wash. Room 311 McMillan Lab. 935-6530.

4 p.m. Foreign language lecture. "Shattering Stereotypes: Images of the Other," Jack G. Shaheen, CBS News consultant, multicultural educator and Fulbright Scholar. Room 100 Busch Hall. 935-5156.

4:15 p.m. Philosophy lecture. "Pornography, Group-harm and Pollution," Larry May, prof. of philosophy. Alumni House living room. 935-7148.

4:30 p.m. Math colloquium. Title to be announced. Robert Thurman, Geometry Center, U. of Minnesota, Minneapolis. Room 199 Cupples I Hall. 935-6726.

5 p.m. Art history and archaeology lecture. "Protecting God From the English: Monastic Fortifications During the 100 Years War," Sheila Bonde, assoc. prof. of art history, Brown U., Providence, R.I. Room 116 Givens Hall. 935-5270.

7:30 p.m. Faculty feminist reading group discussion. Essays from feminist interpretations of Simone de Beauvoir, by Margaret Simons. Hurst Lounge, Room 201 Duncker Hall. 935-5102.

Friday, March 15

7:30 a.m. International affairs lecture. "Contemporary Issues: Continuity and Change," Marvin Marcus, assoc. prof. of Japanese language and literature. Room 30 January Hall. 935-6777.

9:15 a.m. Pediatric Grand Rounds. "The Early Contributions of Pediatrics to Fluid Therapy," Robert Schwartz, prof. of pediatrics and emeritus professor of medical science, Brown U., and staff pediatric endocrinologist, The Rhode Island Hospital. Clopton Aud., 4950 Children's Place. 454-6128.

Noon. Cell biology and physiology seminar. "Discovery of Movement of Actin Patches in Yeast," John Cooper, assoc. prof. of cell biology and physiology. Room 426 McDonnell Medical Sciences Bldg. 362-6950.

Noon. Environmental engineering seminar. "Wastewater Operations at the Bissell Plant," Jeff Theerman, asst. director, Metropolitan Sewer District, St. Louis. Room 216 Urbauer Hall. 935-8590.

4 p.m. American culture studies lecture. "On Being and Becoming an American," Allan Trachtenberg, prof. of English and of American studies, Yale U. Hurst Lounge, Room 201 Duncker Hall. 935-5216.

4 p.m. Anatomy and neurobiology seminar. "Actin-dependent Motor Proteins and Neuronal Function," Paul Bridgman, assoc. prof. of anatomy and neurobiology. Room 928 McDonnell Medical Sciences Bldg. 362-7043.

7:30 p.m. Astronomy lecture. "Earth, Sky and Stars: Photography From the Ground Up," Thane Bopp, St. Louis Astronomical Society member and astrophotographer. Room 162 McDonnell Hall. 935-4614.

Saturday, March 16

8:30 a.m. Bio-organic chemistry program retreat. King Faculty Center, The Bernard Becker Medical Library, Seventh Floor. 362-2763.

9 a.m. Saturday Morning Neurosciences Seminar Series. "Disorders of Basal Ganglia

and Their Treatment; Genetics and Neurotransmitter Systems in Huntington's Disease," Roger Albin, U. of Michigan, Ann Arbor. Cori Aud., 4565 McKinley Ave. 362-7043.

Monday, March 18

4 p.m. Immunology seminar. "Molecular Basis of B Cell Antigen Receptor Signalling and Its Modulation by Co-receptors," John Cambier, prof. of pediatrics, National Jewish Center, Denver. Third Floor Aud., St. Louis Children's Hospital. 362-8748.

4 p.m. Math colloquium. "Conformal Symmetries, Representations and Elementary Particles," Ken Gross, prof. of mathematics, U. of Vermont, Burlington. Room 199 Cupples I Hall. 935-6726.

8 p.m. Architecture lecture. "Easy Living," Mark Mack, prof. of architecture, U. of California, Los Angeles. Steinberg Hall Aud. 935-6200.

Tuesday, March 19

Noon. Molecular microbiology/microbial pathogenesis seminar. "Genetics and Pathogenesis of the Capsular Polysaccharide Locus of *Streptococcus Pneumoniae*," Janet Yother, assoc. prof. of microbiology, U. of Alabama, Birmingham. Room 775 McDonnell Medical Sciences Bldg. 362-1485.

12:10 p.m. Physical Therapy Brown Bag Research Seminar. "Differences in Gait Characteristics Between Patients With Transmetatarsal Amputation and Age-matched Controls," Gretchen Salsich, doctoral student. Classroom C Forest Park Bldg., 4444 Forest Park Blvd. 286-1400.

4 p.m. Assembly Series. Arthur Holly Compton Memorial Lecture. "American Women Scientists: Historical Patterns," Margaret Rossiter, the Marie Underhill Noll Professor, Cornell U. Room 215 Rebstock Hall. (See story, page 5.) 935-5285.

4 p.m. Chemistry seminar. "Vibrationally Coherent Photochemistry in Condensed Phase," Richard Mathies, prof. of chemistry, U. of California, Berkeley. Room 311 McMillan Lab. 935-6530.

4 p.m. Diabetes research seminar. "Mutations in the Sulfonylurea Receptor Gene in Familial Hyperinsulinism," Ann Nestorowicz, postdoctoral fellow, Dept. of Medicine. Pathology Library, Room 3723 West Bldg. 362-7435.

4 p.m. Math colloquium. Wavelet, Transference and What Not Seminar. "Special Functions on Matrix Space," Ken Gross, prof. of mathematics, U. of Vermont, Burlington. Room 199 Cupples I Hall. 935-6726.

4:30 p.m. The Maya Zuck Lectureship in Early Childhood Education. "Balancing Constructivism and Instructivism in the Early Childhood Curriculum," Lillian Katz, prof. of early childhood education, U. of Illinois, Urbana-Champaign. May Aud., Simon Hall. 935-6689.

7:30 p.m. Theological lecture. The Kenrick Lecture. "A Faith Without Shadows: Liberating Christian Faith From Anti-Semitism," John Pawlikowski, prof. of social ethics, Catholic Theological Union. Kenrick-Glennon Seminary, 5200 Glennon Drive. 644-0266.

Wednesday, March 20

8 a.m. Obstetrics and Gynecology Grand Rounds. "Cancer Screening," Jane Brady, chief resident, Dept. of Obstetrics and Gynecology. Clopton Aud., 4950 Children's Place. 454-7886.

11 a.m. Assembly Series. Omicron Delta Kappa Honors Lecture. "Calvin Trillin's America," Calvin Trillin, syndicated columnist, humorist, cultural critic and staff writer at The New Yorker. Graham Chapel. (See story, page 5.) 935-5285.

4 p.m. Biochemistry and molecular biophysics seminar. "Protein Tyrosine Phosphatases and the Control of Cellular Signaling Responses," Nicholas Tonks, senior scientist, Cold Spring Harbor Laboratory, N.Y. Cori Aud., 4565 McKinley Ave. 362-0261.

Thursday, March 21

11:15 a.m. Social work lecture. "Research on Predicting Use of Mental Health Services: Use of the Andersen Model," Arlene R. Stiffman, assoc. prof. of social work. Room 353 West Campus Conference Center. 935-5741.

1 p.m. Vision science seminar. "RPE Transplantation: What In Vivo and In Vitro Studies Tell Us," Lucian Del Priore, asst. prof. of ophthalmology and visual sciences and of biochemistry and molecular biophysics. East Pavilion Aud., Barnes Hospital. 362-3726.

3 p.m. Physics/chemistry seminar. "Heavy-ion Reaction Dynamics," Pawel Danielewicz, Michigan State U., East Lansing. Room 241 Compton Hall. 935-6530.

3:30 p.m. Chemistry seminar. "Lessons From the Immune System: From Catalysis to Materials," Peter Schultz, prof. of chemistry, U. of California, Berkeley, and investigator, Howard Hughes Medical Institute. Room 458 Louderman Hall. 935-6530.

4 p.m. Anesthesiology Grand Rounds. Eighth Annual C.R. Stephen Lecture. "An Expanded View of Human Memory Systems," Marcus Raichle, prof. of radiology, of neurology and of anatomy and neurobiology. Moore Aud., 660 S. Euclid Ave. 362-6978.

4 p.m. Women's studies lecture. "Richard Wright, Simone de Beauvoir and the Second Sex," Margaret Simons, prof. of philosophic studies, Southern Illinois U.-Edwardsville. Women's Bldg. Lounge. 935-5102.

6 p.m. Social work lecture. "Solution-focused Practice for Work With At-risk Families," Nancy Vosler, assoc. prof. of social work, and Ellen Burkemper, registered nurse and adjunct faculty member. Brown Hall Lounge. 935-6678.

Friday, March 22

9:15 a.m. Pediatric Grand Rounds. "Inherited Cardiomyopathies: Molecular Determinants of Clinical Expression," Daniel P. Kelly, assoc. prof. of medicine and asst. prof. of molecular biology and pharmacology. Clopton Aud., 4950 Children's Place. 454-6128.

Noon. Cell biology and physiology seminar. "Lysosomal Enzyme Phosphorylation — Insights From DNase 1," Stuart Kornfeld, prof. of biochemistry and molecular biophysics and of medicine. Room 426 McDonnell Medical Sciences Bldg. 362-6950.

1 p.m. Solid-state physics/applied physics seminar. "A Model for Predicting Ohmic Heating in Magnetoresistive Read-Heads," Albrecht Jander, graduate student in electrical engineering. Room 305 Bryan Hall. 935-5565.

4 p.m. Biology seminar. "Developmental Regulatory Mechanisms and the Evolution of Animal Body Patterns," Sean B. Carroll, Howard Hughes Medical Institute Research Laboratories, U. of Wisconsin, Madison. Room 162 McDonnell Medical Sciences Bldg. 935-6860.

5 p.m. Architecture lecture. "The Architecture of William Bernoudy," Osmond Overby, prof. of art history, U. of Missouri, Columbia. Room 116 Givens Hall. 935-6200.



Music

Friday, March 15

8 p.m. Opera. The Dept. of Music presents Benjamin Britten's "The Turn of the Screw." (Also March 16, same time.) Cost: \$5; free for Friends of Music members. Graham Chapel. 935-5581.

Monday, March 18

8 p.m. Concert. The WU Chamber Orchestra presents "Chamber Orchestra Goes Into Battle," directed by Elizabeth Macdonald, visiting artist in music. The concert includes Heinrich Biber's "Battalia," Georg Philipp Telemann's "Don Quixote Suite," and works by J. S. Bach and Arcangelo Corelli. Umrath Hall Lounge. 935-5581.

Tuesday, March 19

8 p.m. Recital. Students in the Dept. of Music will present a recital that includes the works of Samuel Barber, Johannes Brahms and Nicolai Medtner. Graham Chapel. 935-5581.



Performances

Friday, March 15

8 p.m. Edison Theatre's "OVATIONS!" series presents Momix in "Baseball." (Also March 16, same time.) Recommended for mature audiences. (A family show of excerpts from "Baseball" will be at 2 p.m. March 16.) Cost: \$20 for the general public; \$16 for senior citizens and WU faculty and staff; \$11 for WU students; and \$12 for the family show. Edison Theatre. 935-6543.

8 p.m. WU Libraries' Bookmark Society performance. "Almost Everything: The Prose, Poetry and Politics of Patrick Cavanagh," John A. Griffin, graduate student in the Dept. of English. West Campus Conference Center. 935-5400.



Miscellany

Thursday, March 14

First Seder celebration reservation deadline. The First Seder festive night is planned for April 3 at Hillel Center, 6300 Forsyth Blvd. Cost: \$18 for students and adults; \$10 for children younger than 12. A \$5 late fee will apply after March 14. 726-6177.

Passover meals reservation deadline. Passover meals, served at Hillel Center, 6300 Forsyth Blvd., will be available from April 4-11. For times and cost info., call 726-6177.

4 p.m. African and Afro-American studies discussion. "A Visit With Leslie Lee and Stephen Henderson." Leslie Lee, prof., Dramatic Writing Program, Tisch School of the Arts, New York U., and Stephen Henderson, prof. of theater and dance, U. of Buffalo, will conduct an informal discussion about the play "The Ninth Wave." McMillan Hall Cafeteria. 935-5690.

6 p.m. Hillel get-together. "Challah Baking." Hillel Center, 6300 Forsyth Blvd. 726-6177.

Blewett B annex to be replaced

Workers are scheduled to demolish the Blewett B annex this spring in preparation for a new \$625,000 building to be erected in its place.

The new building, which will be used by the Department of Music in Arts and Sciences, is scheduled to be completed by late summer. Approval for the project recently was granted by the Building and Grounds Committee of the Washington University Board of Trustees.

The new building will be connected to Tietjens Hall and is designed to complement the architectural style of Tietjens. Covering 4,450 square feet, the new building will contain about 850 more square feet than the current structure. It will have three classrooms and four studios/offices, the same facilities as Blewett B.

Blewett B was built for the music department more than 30 years ago, said Craig Monson, Ph.D., professor and chair of the music department. It was designed as a temporary structure, he said.

"The old building has served us a long time," Monson said of the structure that suffers from such problems as cracked walls, a leaking roof and outdated ventila-

Saturday, March 16

8 a.m.-5 p.m. Occupational therapy workshop. "Meeting Employers' Needs: Matching Injured Worker Performance to Job Demands." Cost: \$225. First-floor Aud., Forest Park Bldg., 4444 Forest Park Blvd. 286-1614.

9 a.m.-noon. University College Career Workshop. "Changing Jobs — Changing Careers." Presented by Alfreda Brown, director, Career Center. Continues Saturdays through March 30. Cost: \$60. 935-6788.

9:30 a.m.-noon. Book arts workshop. "From Handwriting to Bookwriting a Memories Book," Teresa Kragnes, lettering artist. Bring archival-quality pens. Cost: \$35. Room 104 Bixby Hall. 935-4643.

10 a.m.-3 p.m. African-American artists symposium. "From Revolution to Renaissance: African-American Art From Slave Artisans to Expatriate Artists, 1776-1920." Steinberg Hall Aud. 935-5490.

6:30-9 p.m. Israeli dancing. The first half-hour includes extra instruction for beginners. 726-6177.

8 p.m. Hillel theater outing. Join the group to see "June Bride," a story about a Jewish lesbian wedding. Cost: \$5. St. Marcus Theatre, 2102 Russell Blvd. 726-6177.

Monday, March 18

7-10 p.m. Continuing Medical Education conference. "Internal Medicine Review." Steinberg Amphitheater, The Jewish Hospital of St. Louis. The topic is dermatology and general medicine. 362-6893.

8 p.m. Hillel women's gathering. "Rosh Chodesh," an opportunity to connect your Jewishness and feminism in a warm atmosphere. Hillel Center, 6300 Forsyth Blvd. 726-6177.

Tuesday, March 19

7:30 p.m. Hillel Center lecture/dialogue outing. Attend a lecture titled "A Faith Without Shadows: Liberating Christian Faith From Anti-Semitism." (See Lectures.) Dialogue between Jewish and Catholic students will follow. Space is limited. Kenrick-Glennon Seminary, 5200 Glennon Drive. Call 726-6177 to arrange transportation and 935-1897 to R.S.V.P.

Wednesday, March 20

2:15 p.m. Hillel visitors. Richard Joel, International Hillel director, and Edgar Bronfman, board chair for the Foundation for Jewish Campus Life, will greet Hillel members. Hillel Center, 6300 Forsyth Blvd. 726-6177.

Thursday, March 21

8 a.m. Continuing Medical Education conference. "Clinical Pulmonary Update." Continues through March 22. Eric P. Newman Education Center. 362-6893.

tion and air-conditioning units. "It was definitely time for it to be replaced. We're delighted at the news."

The new structure will be a dramatic improvement over the old one, said Ralph H. Thaman Jr., director of the Department of Facilities Planning and Management.

"It will give the music department a space that allows them to do their programs without worrying about these problems," Thaman said.

Thaman noted that the construction of the new building will be done on a tight schedule. Demolition will begin shortly after classes are finished this semester, and construction will take place throughout the summer.

The plans call for an elevator that will allow easy access to the second floor of Tietjens. The new building also will contain improved restrooms and will meet all of the Americans with Disabilities Act requirements, said Steven Rackers, manager of capital projects and records.

"We felt it would not be wise to put the money into the existing structure," Rackers said in reference to an extensive study done on the building. — Neal Learner

Taiwanese law focus of three-day seminar

A seminar on Taiwanese law to be held from Thursday, March 21, to Saturday, March 23, at the West Campus Conference Center is the first of three "Midwest Seminars on Taiwan Studies" being organized by the Joint Center for East Asian Studies. The public is invited to attend.

The organizer of this first seminar is William C. Jones, J.S.D., Charles F. Nagel Professor Emeritus of International and Comparative Law at Washington University.

Other Taiwanese scholars making presentations include Taisheng Wang of

National Taiwan University; John Shepard of the University of Virginia; Mark Allee of Loyola University in Chicago; Jane Kaufman Winn of Southern Methodist University in Dallas; and Wallace Johnson of the University of Kansas.

The Joint Center for East Asian Studies received a \$23,100 grant from the Chiang Ching-Kuo Foundation to conduct three seminars on Taiwan. The other two seminars will be held in the 1996-97 academic year.

For more information, call 935-5958.

Margaret Rossiter, Calvin Trillin to give Assembly Series lectures next week

History of science educator Margaret Rossiter and acclaimed writer Calvin Trillin will deliver Assembly Series lectures next week.

Rossiter will deliver the Arthur Holly Compton Memorial Lecture at 4 p.m. Tuesday, March 19. Her lecture, titled "American Women Scientists: Historical Patterns," will take place in Room 215 Rebstock Hall.

At 11 a.m. Wednesday, March 20, Trillin will give the Omicron Delta Kappa Honors Lecture in Graham Chapel. His lecture, titled "Calvin Trillin's America," will be followed by an hourlong discussion beginning at 2 p.m. in Lambert Lounge, Room 303 Mallinckrodt Center.

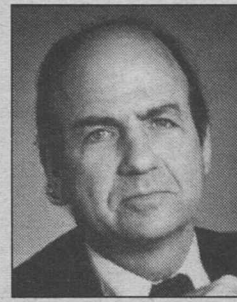
All of these events are free and open to the public.

Rossiter, who has been the Marie Underhill Noll Professor in the Department of Science and Technology Studies at Cornell University since 1993, is the author of three books, the most recent being "Women Scientists in America: Before Affirmative Action, 1940-1972," which was published in 1995. "Women Scientists in America: Struggles and Strategies to 1940" was published in 1982, and "The Emergence of Agricultural Science: Justus Liebig and the Americans, 1840-1880" was published in 1975.

Rossiter, who received a doctorate in 1971 from Yale University, has garnered many honors, including a 1979 Silver Medal from Justus Liebig University in Giessen, Germany; the Wilbur Cross Medal in 1984 from the Yale University Graduate School; and a Hoopes Teaching Award in 1984 from Harvard University.

The Arthur Holly Compton Memorial Lecture is named for the Nobel Prize-winning physicist and former Washington University chancellor.

Trillin, a staff writer for The New Yorker since 1963, also writes for The Nation and Time. His most recent book,



Calvin Trillin

Something Nice" (1988) and "Enough's Enough (and Other Rules of Life)" (1990).

Trillin was a columnist for The Nation from 1978 to 1985, and his widely acclaimed column was syndicated in 1986. His 1994 book "Deadline Poet" is his account of his work as commentator-in-rhyme on the news of the day in the 1990s for The Nation.

His best-selling 1993 "Remembering Denny" was hailed as a disturbing and brilliant memoir. He also has published "The Tummy Trilogy" (1994), three books on eating in America.

As a staff writer for The New Yorker, Trillin produced an acclaimed series of articles from 1967 to 1982 for the magazine's "U.S. Journal," with subjects as wide-ranging as a murder in rural Iowa to the author's efforts to write the definitive history of a Louisiana restaurant.

Born and raised in Kansas City, Mo., Trillin graduated in 1957 with a bachelor's degree from Yale University and worked for Time from 1960-63.

In February, he began writing a column for Time.

For more information, call 935-5285.

Sports

Compiled by Mike Wolf, director, and David Moessner, assoc. director, sports information.

Bears miss Final Four with 12-point loss

Washington University's dream-like run through the NCAA Division III men's basketball tournament came to an end in the Midwest/South Sectional Championship as the Bears fell 73-61 to Illinois Wesleyan University (Bloomington). To reach the Elite Eight, the Bears notched a pair of upsets along the way. They defeated Wheaton (Ill.) College, the Midwest's top-ranked team, on Wheaton's home floor by a 93-75 count. Then, in the first semifinal of the Midwest/South Sectional, the Bears, the No. 4 seed in the Midwest, hammered Christopher Newport University (Newport News, Va.), the No. 2 seed in the South, 87-71.

Final record: 23-6 (13-1 University Athletic Association (UAA), champion)

Women's hoops season comes to end in Sweet 16

WU's drive toward a third NCAA Division III Final Four berth came up two games short as the Bears fell to unbeaten University of Wisconsin-Oshkosh 75-53. The loss, coming in the Sweet 16, followed first- and second-round victories over Illinois Wesleyan (68-63) and Wheaton (68-62). Sophomore guard Amy Schweizer received a pair of accolades. Tallying 25 points and seven rebounds against UW-Oshkosh, Schweizer was selected to the all-sectional team. She also was tabbed as a first-team all-Central Region honoree and is now a national finalist for All-America consideration.

Final record: 22-6 (12-2 UAA)

Pair of Bears compete at indoor track nationals

Freshman sprinters Monica Lewis and Claudine Rigaud earned berths to last week's NCAA Division III Indoor Track Championships, but both came up a

stride short of securing All-America status. Lewis placed ninth out of 14 competitors in the 400-meter dash with a school-record time of 59.07 seconds. Rigaud tied for 12th among 15 qualifiers with a 7.43-second outing in the 55-meter dash.

Baseball team enjoying best start since 1985

The WU baseball team opened the season with six-consecutive victories. Playing St. Louis Intercollegiate Athletic Conference rivals Fontbonne College, Webster University and Principia College (Elsah, Ill.) in doubleheaders, the Bears outscored those three schools by a 59-18 margin. WU then traveled to Cocoa, Fla., for the UAA Tournament, where the Bears, the defending co-champions, opened with a 7-0 victory over Emory University (Atlanta). WU split its next two games, dropping its first game of the year 6-5 to the University of Chicago and then defeating Case Western Reserve University (Cleveland) 6-5.

Current record: 8-1 (2-1 UAA)

This week: 10 a.m. and 12:30 p.m. Saturday, March 16, vs. Aurora (Ill.) University and Illinois Wesleyan, Kelly Field; 10 a.m. and 3 p.m. Sunday, March 17, vs. Aurora and Illinois Wesleyan, Kelly Field

Women's tennis nets win over ranked team

The WU women's tennis team finished its spring trip to Hilton Head, S.C., with a 1-3 record. The Bears, ranked 21st in the Division III preseason poll, defeated 11th-ranked Mary Washington College (Fredericksburg, Va.) by a 6-3 count.

Current record: 1-3

This week: 10 a.m. Saturday, March 16, vs. Indiana State University (Terre Haute), WU Tao Tennis Center



About 230 people faced the blustery cold on the morning of March 3 to join in the Run For Shelter, a 5-mile walk/run to benefit Habitat For Humanity St. Louis. The walk/run, which started at Francis Field and wound its way through campus and surrounding neighborhoods, raised \$2,700 for the non-profit organization, which builds houses with and for St. Louis' working poor. The event was hosted by the John M. Olin School of Business' Volunteer Action Committee, a clearinghouse for volunteer opportunities operated by business school students.

Trustees approve 1996-97 budgets, renovation of West Campus space

The Washington University Board of Trustees met March 1 in the School of Medicine's Eric P. Newman Education Center to decide a number of issues, including approval of budgets for the 1996-97 academic year and renovation of space at West Campus, and to hear an update on a proposed master plan for South 40 residence halls.

The finance and budget reports were introduced by Chancellor Mark S. Wrighton, Ph.D., who provided additional comments on the importance of the comparative strengths of the University. In his remarks, Wrighton mentioned such recent highlights as:

- Successfully attracting the first of the 1996 presidential debates on Sept. 25.
- A 20 percent increase over last year in the number of applications for undergraduate admission and a 45 percent increase over the past two years. In addition, he cited a 45 percent increase in the number of early decision applications compared with last year.
- An exceptional turnout of 450 guests for a February event to introduce prospective minority students to Washington University. The event was held in Howard County, Md., and was hosted by Trustee Louis G. Hutt Jr. and his wife, Nellie, who both are alumni of the University.

The trustees then approved the 1996-97 budgets for the schools of the Hilltop Campus, as well as such auxiliary enterprises as housing, food service, the

bookstore and the Central Fiscal Unit. All proposed budgets are balanced and are based on "realistic assumptions." University efforts toward cost containment continue, with tuition remaining the primary source of income for the Hilltop schools. (Note: Overall income and expenses are reported at the end of each fiscal year for all schools of the University in the official annual report.)

The trustees approved renovation of space at West Campus to accommodate the relocation of the Publications Office from the Alumni House, as well as renovation of space to accommodate the Office of Human Resources' training facility for employees.

Executive Vice Chancellor Richard A. Roloff presented an update on the master plan for South 40 residence halls, focusing particularly on proposals for new living and learning residences to be constructed at the southwest corner of the residence hall area. These proposed residences may be complemented by several smaller residence halls in the north area of the South 40, located along the path running from the South 40 toward the Forsyth Boulevard pedestrian underpass. Because these developments are still in the planning stages, the trustees reviewed a schematic design as a part of the planning process. Further reports and proposals will be presented to the board at subsequent meetings.

Other reports to the board included a

presentation by William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine, updating the trustees on the status of various changes in academic health centers and in medical-care delivery at the Medical Center, particularly focusing on the merger of Barnes Hospital and The Jewish Hospital of St. Louis, and a presentation by Trustee Shi Hui Huang on the creation of the University's International Advisory Council. Dr. Huang traveled from Taipei, Taiwan, to attend the meeting of the trustees and to give a presentation on efforts toward increasing international programs and activities at the University.

The trustees received reports from the Educational Policy and the Student Affairs committees. Before the meeting of the trustees, members of the Student Affairs Committee heard remarks by the undergraduate student representatives to the board: Allison O'Steen and Elsa Wentling. They also heard remarks by Student Union leaders Mark Klapow, Iqbal Brainch, Kevin Center and Jackie Ulin. Members of the Undergraduate Council presented a report to the committee by Gerhild Scholz Williams, Ph.D., associate vice chancellor and professor of German and of comparative literature in Arts and Sciences; James W. Davis, Ph.D., professor of political science in Arts and Sciences; and Allan Larson, Ph.D., associate professor of biology in Arts and Sciences, as well as student council members Ulin and Tiffany Wilson.

In the morning, the trustees heard presentations by Alan L. Schwartz, M.D., Ph.D., Alumni Endowed Professor of Pediatrics and head of the Department of Pediatrics and professor of molecular biology and pharmacology, regarding "Pediatrics and the New Biology," and by Jeffrey I. Gordon, M.D., Alumni Professor and head of the Department of Molecular Biology and Pharmacology and professor of medicine, on "Of Mice and Men: Genetically Engineered Models of Human Intestinal Disease."

Trustee Lee M. Liberman reported for the Development Committee that giving is up 20 percent compared with this time last year and that every category of giving also is up. Barbara Feiner, alumni trustee, gave an update on activities of the Alumni Association and the Alumni Board of Governors.

Board Chairman William H. Danforth closed the meeting by urging all trustees to attend a board retreat June 16-19 to discuss plans for the further development of Project 21 and to set priorities as the trustees reach the culmination of the Project 21 planning effort. All schools have presented their Project 21 reports to the board with the exception of the John M. Olin School of Business, which will do so at the May board meeting. That presentation will be given by Trustee Sam Fox.

The trustees also presented a resolution honoring H. Frederick Hagemann Jr., an emeritus trustee who passed away recently.

U.S. News touts several programs in its rankings

The Washington University School of Medicine climbed to No. 4 in the nation among research-oriented medical schools, and the previously unranked Arts and Sciences doctoral program in geology jumped to No. 22, according to the latest U.S. News & World Report rankings of the nation's best graduate programs.

"We are pleased to move up to No. 4 in the rankings. It is indeed an honor to be considered one of the top medical schools in the country," said William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine. "This is a testimony to a truly outstanding faculty and student body."

"America's Best Graduate Schools" is one of several academic rankings compiled annually by U.S. News & World Report. The 1996 rankings, scheduled to run in the magazine's Monday, March 18, issue, also placed several other University professional schools and graduate programs among the nation's best.

The School of Law was ranked No. 31, the John M. Olin School of Business was No. 33, and the School of Engineering and Applied Science rose several places to claim No. 43 in the nation. The doctoral program in biological sciences in Arts and Sciences tied for No. 15.

"I'm delighted the engineering school continues its ascent into the top tier of engineering schools as ranked nationally," said Christopher I. Byrnes, Ph.D., dean of the school. "In my mind, it reflects the accomplishments and quality of our alumni, faculty, students and staff. Personally, I'd rank us even higher, and I think momentum is on our side."

U.S. News bases its rankings of professional schools, including business, engineering, law and medicine, on criteria that include measures of student selectivity, placement success, faculty resources, research activity and surveys of institutional reputation.

The magazine's rankings of six doctoral science programs, including biology and geology, was based solely on a reputational survey of department heads and directors.

The University's biological sciences program is administered by the Division of Biology and Biomedical Sciences, which includes biology programs from both the Medical and Hilltop campuses.

"The biological sciences program here has always rated high, and we are glad to see that it continues to be highly regarded by other scholars in the field," said Robert E. Thach, Ph.D., dean of the Graduate School of Arts and Sciences. "Our geology program's high ranking will be no surprise to those who have been following our progress in this area — they know that we are rapidly gaining a strong national reputation."

Geology, which is part of the Department of Earth and Planetary Sciences in Arts and Sciences, also received high marks in a national study of doctoral programs issued in September 1995 by the National Research Council.

"The U.S. News rankings confirm that our faculty in geology are highly respected by scientists that do research in the area and know the work," Thach said. "We've also seen a strong increase in overall quality and depth of graduate school applications in this area, and the proportion of applicants who accept our offer is rising. These are outstanding students."

M.F.A. exhibit opens

The School of Art will host its annual "First-year Master's of Fine Arts (M.F.A.) Student Exhibit" from Friday, March 15, to April 5 in a location near West Campus.

An opening reception is scheduled for 6 to 9 p.m. March 15. The exhibit and the opening reception are free and open to the public. The exhibit is located in a former retail store at 7511 Forsyth Blvd.

The exhibit hours are noon to 5 p.m. Mondays through Thursdays; noon to 6:30 p.m. Fridays; noon to 4 p.m. Saturdays; and 2 to 4 p.m. Sundays.

For more information, call 935-4761.

Campus Watch

The following incidents were reported to the University Police Department from Feb. 25-March 10. Readers with information that could assist the investigation of these incidents are urged to call 935-5555. This release is provided as a public service to promote safety-awareness on campus.

Feb. 26

11:30 a.m. — A cash-card machine in the Mudd Law Building reportedly was pried open, and \$44 was missing from it.

11:15 p.m. — A University Police officer noticed a University City street sign in a window of a Millbrook Square apartment. The officer contacted the residents and received permission to enter the apartment. The officer observed several other traffic and construction signs. University Police took possession of the signs. The incident has been referred to the judicial administrator.

Feb. 28

2:50 a.m. — A student reported being assaulted in Eliot Residence Hall by two acquaintances, who reportedly also stole two bottles of cologne. No injuries were reported.

5:33 p.m. — The University City Fire Department responded to a possible fire in Tietjens Hall, where there was a smell of smoke. It was determined that the smoke came from a belt on a furnace blower.

March 3

Midnight — A fraternity member reported that a window on a fraternity house had been broken by what appeared to be a shot from a

BB gun. University Police proceeded to a nearby fraternity house and received permission to observe the common areas of the building. An officer found a pellet gun propped under an open window in that fraternity house. The incident has been referred to the Greek coordinator and the judicial administrator.

March 8

8:03 p.m. — University City police contacted University Police advising that they had a victim of a sexual offense that occurred on University property. It was determined that a cab driver and a juvenile had consensual sexual contact. Neither is a member of the University community.

March 10

11:34 p.m. — A student reported the theft of a car from a parking lot near Brown Hall.

University Police also responded to: a report of theft at the new School of Law building construction site; a report of a stolen bicycle wheel; a minor traffic accident in the Millbrook Boulevard parking garage; three theft reports; and reports of vandalism to two fraternity houses, a car parked near the fraternity houses, a copier in Shepley Residence Hall, and Millbrook Square apartments.

For The Record

For The Record contains news about a wide variety of faculty, staff and student scholarly and professional activities.

Of note

Ronald G. Evens, M.D., professor of radiology and director of the School of Medicine's Mallinckrodt Institute of Radiology, received the Department of Justice's Certificate of Commendation presented by Attorney General Janet Reno. He was cited for his assistance in a successful prosecution case involving health-care fraud. He is one of the few people outside the Justice Department to receive the honor, which usually is reserved for department agents and attorneys. ...

Theodosios Korakianitis, Sc.D., associate professor of mechanical engineering;

Hilltop faculty receive tenure

At the March 1 meeting of the Board of Trustees, the following faculty were promoted with tenure or granted tenure on the Hilltop Campus, effective July 1, unless otherwise noted.

Promotion with tenure

Richard L. Axelbaum to associate professor of mechanical engineering; Letha A. Chadiha to associate professor of social work; Gayle J. Fritz to associate professor of anthropology in Arts and Sciences; Kenneth J. Goldman to associate professor of computer science; Sandra Hale to associate professor of psychology in Arts and Sciences; Kathryn G. Miller to associate professor of biology in Arts and Sciences; Paul S. Min to associate professor of electrical engineering; Kimberly J. Norwood to professor of law; Charles Oriel to associate professor of Spanish in Arts and Sciences; Craig S. Pikaard to associate professor of biology; Robert Snarrenberg to associate professor of music in Arts and Sciences; Denise D. Ward-Brown to associate professor of art (sculpture); and Gautam N. Yadama to associate professor of social work.

Granting of tenure

Sally A. Goldman as associate professor of computer science, effective March 1, 1996, and W. Patrick Schuchard as associate professor of art (painting).

Engineering school honors several alumni

The School of Engineering and Applied Science honored seven distinguished individuals at its 22nd annual Alumni Achievement Awards Dinner on Tuesday, March 12, at the America's Center in downtown St. Louis.

The recipients of the 1996 Alumni Achievement Awards are: Jack R. Bodine (BSIE '49, MBA '55), retired executive vice president and co-owner of Bodine Aluminum Inc. in St. Louis; Norman Foster (BSChE '60, MSEA '64), president of Philip Environmental Inc.'s Chemical Group based in Ontario, Canada; Rudolph Freedman (BSChE '40, MSIE '52), chairman of St. Louis-based SEMCOR and Foster Mechanical Equipment companies; and Joseph R. Moyer (BSME '48), retired president of Chas. S. Lewis & Co. Inc. in St. Louis.

In addition, Michael L. Riordan, M.D., (AB '79, BSChE '79), president and chief executive officer of Gilead Sciences in Foster City, Calif., received the Young Alumni Award, and Rosalie and Jerome F. Brasch (BSChE '44, MSChE '47) are co-recipients of the 1996 Dean's Award. Jerome Brasch, a member of the Board of Trustees, is president of Brasch Manufacturing Co. Inc. and Marcraft, both in Maryland Heights. The Dean's Award is presented to individuals whose dedication to engineering education has enhanced opportunities for students and faculty.

Dean Christopher I. Byrnes, Ph.D., presented the awards. The school is celebrating its 125th anniversary during this academic year.

Nick Vlachopoulos, a former graduate student in mechanical engineering; and **Dequan Zou, D.Sc.**, who recently received a doctorate in mechanical engineering from the University, won the Best Paper Award from the International Gas Turbine Institute's Closed Cycles Committee. Their paper was titled "Models for the Prediction of Transients in Closed Regenerative Gas-turbine Cycles With Centrifugal Impellers." The institute is a division of the American Society of Mechanical Engineers. ...

Timothy M. Lohman, Ph.D., professor of biochemistry and molecular biophysics, received an \$818,671 four-year grant from the National Institute of General Medical Sciences for a project titled "Helicase — Catalyzed DNA Unwinding." ...

Douglas M. Lublin, M.D., Ph.D., associate professor of medicine and of pathology, received an \$851,597 four-year grant from the National Institute of General Medical Sciences for a project on "Lipid-modified Membrane Proteins and Caveolae." ...

Mike Mueckler, Ph.D., professor of cell biology and physiology, received an \$828,312 four-year grant from the National Institute of Diabetes and Digestive and Kidney Diseases for a project titled "Glucose Toxicity in Skeletal Muscle." ...

Nicholas J. Nissing, a senior chemical engineering student, garnered third place at the National Student Paper Contest in

Miami during the American Institute of Chemical Engineers' annual meeting. His paper was titled "The Application of Signal Analysis to Localized Corrosion." The paper was based on research he conducted with **Xue-Dong Dai**, who will be awarded a doctorate in chemical engineering from the University in May, and **Babu Joseph, Ph.D.**, and **Rodolphe L. Motard, D.Sc.**, both professors of chemical engineering. ...

Michael K. Racke, M.D., assistant professor of neurology, received the Teva Marion Partners Young Investigator Award in Multiple Sclerosis from the American Academy of Neurology Education and Research Foundation. He was honored for his proposal titled "Accessory Molecules in Inflammatory Central Nervous System Disease."

Speaking of

At a meeting titled "Molecular Biology of Hearing and Deafness" in Bethesda, Md., **Kevin K. Ohlemiller, Ph.D.**, research assistant professor of auditory physiology in the Department of Speech and Hearing and an assistant research scientist at the Central Institute for the Deaf, presented a talk on "The *rd3* Mouse: A Candidate Usher's Type II Model." ...

Patty Jo Watson, Ph.D., Edward Mallinckrodt Distinguished University Professor in the Department of Anthropol-

ogy in Arts and Sciences, spoke on "Pre-historic Exploration of the World's Longest Cave" at Whitman College in Walla Walla, Wash. She also led a college discussion on women in science. Her talk was sponsored by Sigma Xi, an honor society for science undergraduates. Before the discussion, the public-television series "Discovering Women" was shown. The series chronicles the challenges faced by contemporary women scientists, including Watson.

To press

The sixth edition of a book co-written by **Raymond L. Hilgert, D.B.A.**, professor of management and industrial relations, was published by South-Western Publishing Co. in Cincinnati. The book is titled "Supervision: Concepts and Practices of Management." In addition, Dame Publications Inc. of Houston published the fourth edition of his book titled "Labor Agreement Negotiations."

Guidelines for submitting copy:

Send your full name, complete title, department, phone number, and highest-earned degree, along with a typed description of your noteworthy activity, to For The Record, c/o Carolyn Sanford, Campus Box 1070, or p72245cs@wuvmd.wustl.edu. Items must not exceed 75 words. For more information, call Sanford at 935-5293.

Kaye and Dick Parvis cited for world efforts to aid poor

Kaye and Richard J. "Dick" Parvis, who have been involved in social work and international issues at Washington University for more than 30 years, will receive the Ethical Humanists of the Year award on March 31 from the Ethical Society of St. Louis.

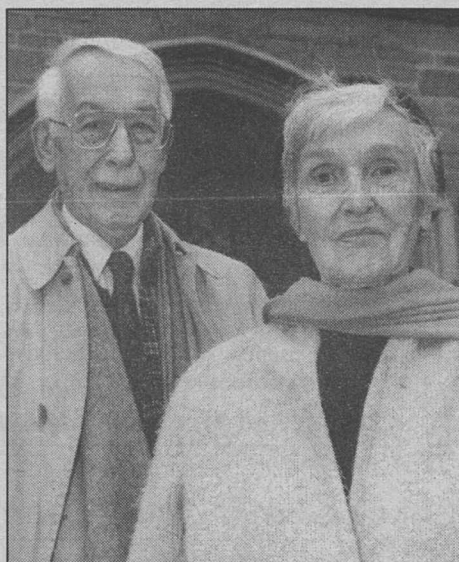
"Kaye and Dick Parvis have devoted themselves to the improvement of human social conditions," noted the society in a recent newsletter announcing the award. "A strong motif in their work is support of education and development of educational resources for disadvantaged or underdeveloped people."

Dick Parvis, professor emeritus and coordinator of overseas admissions, has been associated with the George Warren Brown School of Social Work since 1964, when he joined the faculty as an associate professor. He has helped the school coordinate the recruiting and advising of overseas students since 1987.

Kaye Parvis has led the international wives section of the University's Woman's Club since 1967, when the section was formed to offer friendship and support to women from around the world who become part of the University community.

The couple have been tackling social problems worldwide since the early 1940s, when they began working together in a Detroit settlement house. Married in 1943, they spent nearly two decades working with poor and minority youths in Bridgeport, Conn.; Kansas City, Mo.; and Minneapolis.

In 1960, Dick Parvis was invited to work



Richard J. "Dick" and Kaye Parvis

with the Washington, D.C.-based Council on Social Work Education to help develop social work training in Lucknow, India. There he met Shanti K. Khinduka, Ph.D., dean of the social work school, who was then a young faculty member at Lucknow University. Parvis was one of several members of an American delegation who encouraged Khinduka to further his social work education in the United States.

While in India, Kaye Parvis worked with the YMCA to organize a team to dispense medical supplies to mud-hut villages. The couple then moved to Zambia, where Dick Parvis helped establish the first college in Central Africa while his wife conducted sewing classes for

women in rural villages. The couple later traveled to Egypt. Along with a team from the University of North Carolina in Chapel Hill, Dick Parvis aided in the redevelopment of the country's rural and urban social-service programs.

Shortly after Dick Parvis joined the University's faculty, the couple began their long association with Delmo Housing Corp., a rural development agency formed in the 1930s to help displaced low-income sharecroppers in the southeast Missouri Bootheel. Delmo is based in Lilbourn, Mo.

In the last three decades, the couple's work with Delmo has included supervising graduate students doing fieldwork in the Bootheel, raising operating funds and establishing community programs for children, teens, adults and communities throughout southeast Missouri. Kaye Parvis was elected president of the agency's board of directors in 1986.

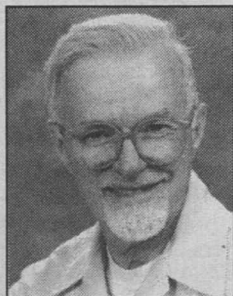
"If Kaye and Dick Parvis have been America's effective ambassadors to foreign visitors in St. Louis and to people in India, Egypt, and other parts of Africa, they have also been most indefatigable agents of service and social change in our own rural Bootheel," said Khinduka. "Their contribution to social and economic development in that depressed area of our region itself is worthy of this award."

The Ethical Humanists of the Year award carries a \$1,000 prize, which the couple will donate to help rebuild a Delmo youth center destroyed by fire. Delmo is seeking funds to rebuild the center, where community volunteers live. — *Gerry Everding*

Ecologist Owen Sexton named director of Tyson Research Center

Owen J. Sexton, Ph.D., professor of biology in Arts and Sciences, has been named director of the Tyson Research Center, according to Chancellor Mark S. Wrighton, Ph.D. In addition to Sexton's teaching and research duties in the Department of Biology, he oversees research at the 2,000-acre West County wildlife habitat.

Sexton has been a member of the biology faculty since 1955. A widely respected ecologist, he has conducted numerous studies of amphibians, reptiles and ecosystems, such as prairies and wetlands at Tyson and at other sites in Missouri, the United States and Latin America.



Owen J. Sexton

"It's clear that we want to turn Tyson in a direction where it's available for students and faculty, and we want to facilitate teaching and research there for both undergraduates and graduates," Sexton said. "One of the first tasks will be to restore the biodiversity at Tyson so it will be more representative of the original oak-hickory ecosystem. We'll be seeking advice from people who run similar restoration operations, such as the Konza Prairie in Kansas, to consider such controls as fires and cutting to return the vegetation into a healthy state."

"So far, the principal departments interested in research at Tyson include biology, earth and planetary sciences and the civil engineering department," Sexton continued. "There have been inquiries from others, and anyone in the University community is invited to explore research and other academic activities

there. Also, we'll continue our outreach programs."

For a number of years, Tyson has hosted two independent non-profit conservation organizations on its grounds: the World Bird Sanctuary and the Wild Canid Survival and Research Center. Both will stay, although the World Bird Sanctuary will be moving in several years to a site east of Tyson. The Field Science Program at Tyson reaches out to approximately 1,500 St. Louis-area students each year with daylong nature and science experiences. The Friends of Tyson, a 500-member organization that supports programs and uses the habitat for field trips, will continue serving the center and its programs.

Thomas A. Harig, associate vice chancellor for business affairs, has been named associate director for administration for Tyson. He will handle the center's administrative duties and policies.

Opportunities & news

Hilltop Campus

The following is a partial list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of Human Resources, Room 126 North Brookings Hall, or by calling 935-5990.

Administrative Assistant 960187. Undergraduate Admission. Requirements: certificate or associate's degree; ability to manage a PC database to track a considerable number of mailings; exceptional organizational skills; ability to balance com-

peting priorities to work within a structure of tight deadlines; excellent communication skills; ability to express objectives, communicate deadlines to others and follow projects through to completion; five years office experience; university experience preferred; excellent attendance; flexibility; sense of humor. This position will offer all support for the communications team, which organizes all University communication with prospective students. Application required.

Reference Librarian 960188. Business Library. Requirements: master's degree. Responsible for all operations in the library during the weekend and for implementation and interpretation of policy.

Schedule: part time; noon-6 p.m. Saturdays; 1-6 p.m. Sundays; 3:15-7:15 p.m. on two weekdays. Application required.

Administrative Secretary 960189. Accounts Payable. Requirements: college degree or business or vocational school training; five years secretarial experience; typing 60-80 wpm, including statistical typing; excellent interpersonal communication skills, particularly on the telephone; word processing experience, including WordPerfect for Windows; Lotus and e-mail experience; excellent grammar, punctuation and spelling; ability to participate as a team member on various projects to achieve the goals of Accounting Services. Application required.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Employees who are interested in submitting a transfer request should contact the Human Resources Department of the medical school at 362-7197 to request an application. External candidates may call 362-7195 for information regarding application procedures or may submit a résumé to the human resources office located at 4480 Clayton Ave., Campus Box 8002, St. Louis, MO, 63110. Please note that the medical school does not

disclose salary information for vacancies, and the office strongly discourages inquiries to departments other than human resources.

Licensed Practical Nurse 960711-R. Neurological Surgery. Requirements: certificate or associate's degree for licensed practical nurse; experience with neurological patient care; knowledge of diagnostic radiology procedures; patient-care skills; insurance knowledge helpful; flexibility; decisiveness. Schedule: part time, 5.5 hours a day Mondays-Fridays.

Clinic Administrator 960714-R. General Internal Medicine. Requirements: bachelor's degree or equivalent in business or health-

care administration; proficiency in gathering and analyzing data and using computer systems. Responsibilities include administering faculty and resident clinical business and operational affairs, with emphasis on analysis and maximization of clinical revenues, and implementing effective practices and control procedures.

Nurse: RN Staff 960717-R. Barnard Cancer Center. Requirements: graduate of an approved school of nursing; current Missouri license; chemotherapy experience; skilled in starting I.V.s and accessing implanted infusion ports. Schedule: part time, 20 hours per week.

University committed to affirmative action policy

The following is the affirmative action policy for Washington University:

Washington University is committed to providing equal opportunity to all qualified individuals in its employment and personnel practices, and to policies and practices that will assure that there shall be no discrimination against any person on the grounds of race, color, age, religion, sex, sexual orientation, national origin or handicap. Affirmative action will be taken in the recruitment, hiring and promotion of minorities, females, veterans and handicapped persons.

To ensure effective implementation of and compliance with the University's policies and its commitment under pertinent executive orders and laws, positive affirmative action is being undertaken concerning equal employment opportunity. Such action includes:

- Recruitment of minority, female, veteran and handicapped personnel in all job categories with special emphasis being directed toward those categories where deficiencies exist;
- Utilization of existing (federal or other) work incentive and training programs, where applicable, to qualify persons for entry-level positions;
- Appointment of representatives to develop plans for the recruitment, training and promotion of minority, female, veteran and handicapped persons; and
- Continuation and development of programs and opportunities for minority residents in the University community aimed at better understanding and relations.

Policy

Washington University is committed to a policy of equal employment opportunity without regard to race, color, religion, sex, sexual orientation, national origin, veteran status or handicap. Decisions on employment are made on the basis of the qualifications of the individual for the position being filled. Decisions on promotion are likewise made on the basis of the qualifications of the individual as they relate to the requirements of the position for which he or she is being considered.

All personnel policies — including those on compensation, fringe benefits, transfers, training programs, and the like — are administered without regard to race, color, religion, sex, sexual orientation, national origin, veteran status or handicap. These policies apply to all employees in all schools and departments of the University.

The University is also committed to affirmative action to increase the numbers and job levels of qualified members of minority groups of women, of veterans and of the handicapped in those areas in which numbers may be low in relation to the available supply of qualified individuals. To this end, an affirmative action program has been developed and affirmative action officers have been appointed for the Hilltop and Medical campuses.

Chancellor Mark S. Wrighton stated: "There has been much discussion recently regarding the importance of affirmative action programs, particularly at universities. Washington University remains committed to working hard to achieve greater diversity among its students, faculty, and staff. Successful programs that broaden the representation of women and members of

minority groups for our faculty will strengthen our educational enterprise, and it is gratifying to see progress among our schools in this regard. We have not yet fully achieved our objectives, and we will be aggressive in seeking to attract and retain outstanding women and members of minority groups for our faculty and staff. A diverse community will be a stronger learning environment and better prepare our students for their careers and lives."

Annual review

The affirmative action program is reviewed each year. The review covers a 12-month period beginning on October 1 and ending on September 30.

The purpose of the review is two-fold: to assess the progress that Washington University is making in providing equal employment opportunity; and to take corrective action, if it is appropriate.

The 1994-95 annual review was completed in December 1995. The table below profiles the Washington University employment community by Equal Employment Opportunity Commission (EEOC) job category.

Washington University
Female and Minority Employees in Each EEOC Job Category

Job Categories	Total	Male	Female	Minority	% Female	% Minority
	1995	1995	1995	1995	1995	1995
Faculty Tenured	801	711	90	62	11.2	7.7
Faculty Tenure Track	453	327	126	66	27.8	14.6
Faculty Other	1,510	908	602	382	39.9	25.3
Executives/Admin.	985	292	693	95	70.3	9.6
Professional	818	249	569	100	69.5	12.2
Secretarial/Clerical	1,791	172	1,619	400	90.4	22.3
Technical	1,239	438	801	314	64.6	25.3
Skilled Crafts	186	184	2	27	1.1	14.5
Service	512	302	210	315	41.0	61.5

AAP (10/95)

Note: Excludes 281 graduate research assistants

New insurance plan to be explained in campus meetings

The Office of Human Resources has announced a new optional dependent life insurance plan that allows eligible employees to purchase greater amounts of coverage for spouses, domestic partners and children.

Under the new plan, non-union employees working 50 percent or more may purchase larger amounts of spouse/domestic partner and child term life insurance coverage. The new plan allows these eligible employees to purchase term life insurance coverage of \$25,000, \$50,000, \$75,000 or \$100,000 for spouses and domestic partners and \$4,000 for children.

The existing policy allows eligible employees to purchase term life insurance coverage of \$5,000 for spouses and domestic partners and \$2,500 for children.

The new plan becomes effective July 1. A one-time open-enrollment period will begin on Friday, March 15, and will run through April 15. The new plan is open to all Washington University employees who meet the above eligibility requirements.

Human resources has sent informational packets and enrollment forms to employees. In addition, human resources has scheduled the following meetings to present the new plan to employees and to answer questions:

• Hilltop Campus: 9:30 a.m. Tuesday, March 19, and Thursday, March 21, in Simon Hall Auditorium, and 2:30 p.m. Wednesday, March 20, and Friday, March 22, in Lopata Hall Auditorium.

• Medical Campus: 11:30 a.m. and 4 p.m. Tuesday, March 19, in Cori Auditorium, and 8:30 a.m. and 2 p.m. Thursday, March 21, at the same location.

• West Campus: 2:30 p.m. Tuesday, March 19, in Conference Center Room C, and 9:30 a.m. Wednesday, March 20, at the same location.

Reservations are not required. For more information, contact the benefits office on your campus.

Washington University Libraries' goal: To be the best of the new breed — from page 1

"In this single archive, we see the history of its recorded forms jangling together — in pen, typewriter, computer and tape," Ray said. "These are the co-habitations of the word."

Elkin's pioneering contribution to the Modern Literature Collection, a treasure of manuscripts and other materials from 115 eminent British and American writers, is demonstrated in a poignant moment of the exhibit. In one display case, an assemblage of the novelist's diskettes, audiotapes and cassettes share space with a typescript by Mark Twain, recognized among the first American writers to use the typewriter.

New measures of excellence

In terms of the number of volumes held, University Libraries in 1995 ranked 39th

among the 108 institutions comprising the Association of Research Libraries, up from its 62nd ranking in 1986.

However, the number of volumes held by a library no longer is the best method used to rank libraries. University Libraries is stepping into new territories shaped by the economics of digital transformation and storage. Having the right technology is becoming as essential as having the right books.

"Technology is transforming the way we measure the value and success of our libraries," Baker said. "The number of volumes, number of staff, budget and journal subscriptions are traditional measures that will be used less and less. We'll be looking more to access rather than to acquisition."

"We haven't yet figured out what the

new measures will be. They might involve user-satisfaction or outcomes. What kind of research can faculty and students do with resources we can make available? How well do our students learn, and how have we contributed to this process?"

The library experience, defined by Baker as "that serendipitous discovery of the wonderful things you find as you're searching for something else," always will exist. "Our timeless roles of librarians as collectors, orderers, preservers and providers of materials will continue," she added.

The goal is to be the best of the new breed of libraries. "Our advantage is our size. We're like a mid-sized boat — smaller and more flexible than a tanker. We can turn to go out to the ocean without fear, unlike some institutions too

mired in the past or others that might capsize," Baker said.

The five directors of the 14 libraries that make up University Libraries will be recognized at the 3 millionth volume dedication in Edison Theatre. The directors are Ronald Allen, the Asa F. Seay Librarian at the Al and Ruth Kopolow Business Library; Baker, director of Olin Libraries; Hyla Bondareff, J.D., associate director of the Law Library; Mark E. Frisse, M.D., associate dean for academic information management and director of The Bernard Becker Medical Library; and Michael E. Powell, director of the Learning Resources Center at the George Warren Brown School of Social Work.

For more information on the Edison event, call 935-5400. For more information on the Elkin exhibit, call 935-5495.

— Cynthia Georges